

Title (en)

Removal of residual peroxide from tertiary butyl alcohol.

Title (de)

Entfernung von Restperoxyden aus tertiärem Butanol.

Title (fr)

Enlèvement de peroxyde résiduaire de butanol tertiaire.

Publication

EP 0215588 A2 19870325 (EN)

Application

EP 86306557 A 19860822

Priority

- US 77633985 A 19850916
- US 77779585 A 19850919
- US 83679886 A 19860306
- US 83679986 A 19860306

Abstract (en)

A motor fuel grade tertiary butyl alcohol feedstock obtained by the reaction of propylene with tertiary butyl hydroperoxide which is contaminated with a residual amount of tertiary butyl hydroperoxide can be effectively catalytically treated with a supported, nickel, palladium and/or platinum catalyst in the presence of added hydrogen under mild catalytic reduction conditions including a temperature of about 50 DEG to 150 DEG C and a pressure of up to about 70 kg/cm² (1000 psig) in order to substantially selectively convert the hydroperoxide contaminants to tertiary butyl alcohol and to thereby provide a treated product substantially free from contaminating quantities of tertiary butyl hydroperoxide.

IPC 1-7

C07C 29/90; **C07C 31/12**; **C07C 29/132**; **C10L 1/02**

IPC 8 full level

C07C 29/132 (2006.01); **C07C 29/90** (2006.01)

CPC (source: EP)

C07C 29/132 (2013.01); **C07C 29/90** (2013.01)

Cited by

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